



NON-TEMPERATURE COMPENSATED PRESSURE SENSOR MODEL 6-07 (13mm)

The **Model 6-07** is specifically designed for use in a broad variety of OEM applications where accurate, reliable, high performance pressure measurement is required.

The small size of the **Model 6-07** (13mm OD), media-isolated diaphragm & rugged construction is ideal for inclusion into systems that require a small, accurate & robust pressure sensor.

The **Model 6-07** operates over a wide temperature range, from -40°C to 125°C (-40°F to 257°F) and at pressure ranges from 200PSI to 10,000PSI.

All wetted parts are manufactured from highly corrosion-resistant 316L stainless steel. The **Model 6-07** utilizes a media-isolated 6th generation micro-machined silicon pressure sensor, which is designed to provide exceptional stability & very low noise.

The modular product platform design on the **Model 6-07** allows user-specified modifications while maintaining product integrity.

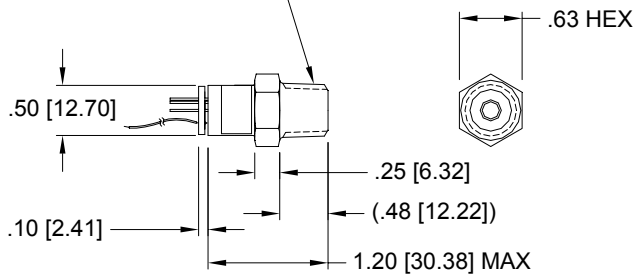


*Wide Choice of
Pressure Ranges & Fittings*

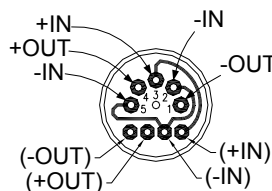
*Highly
Corrosion Resistant*

*Exceptional
Long-term Stability*

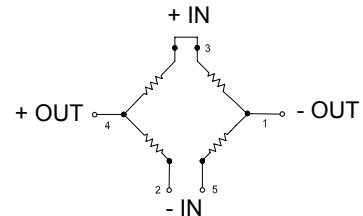
FOR ACTUAL DIMENSIONS
SEE OUTLINE DRAWING



1/4" NPT FITTING SHOWN
INCHES [mm]



PIN ARRANGEMENT
TYPICAL FOR ALL OPTIONS



SENSOR SCHEMATIC

- *Process Control Systems*
- *Liquid Level Measurement*
- *Lubrication Systems*
- *Natural Gas Production*
- *Chemical Processing Systems*
- *Wastewater Treatment*
- *HVAC & Refrigeration*
- *Pulp & Paper Processing*

-- An Electromotive Solutions Company --

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MODEL 6-07

13MM UNCOMPENSATED PRESSURE TRANSDUCER

Product Specifications

Performance

Output Signal	See Chart 1 below
Accuracy L, R & H	±0.25%FSO , <1000 PSI ±0.5%FSO , 1000+ PSI
Zero Offset	±30mV (Maximum)
Long-term Stability	±0.20%FSO/Year
Temperature	Uncompensated
Temperature Effect	Zero: ±10% FSO/100°F Span: ±20% FSO/100°F

Operating

Input Power	5 VDC (15 VDC Max)
Insulation Resistance	100 megohms @ 50 VDC
Dielectric Strength	500 VDC or VAC
Proof Pressure	200% of Rated Range
Burst Pressure	300% of Rated Range
Weight	40g (1.4oz)

Environmental

Operating Temperature	-40°C to 125°C (-40°F to 257°F)
Wetted Parts	316L SST
Vibration	10 G's, 20-2000Hz
Shock	100 G's for 11ms, Half-sine
Life	100 Million Full Scale Cycles

Ordering Information

6 - 07 X - XX X X - XX

Instrument Family

6 = Silicon Strain Gage

Sensor Type

07 = Uncompensated 13mm mV Output

Reference Pressure

0 = Absolute 1 = Vented Gage

2 = Sealed Gage

Pressure Ranges

Absolute & Vented Gage	Sealed Gage
11 = 0 - 200 PSI	15 = 0 - 1000 PSI
13 = 0 - 300 PSI	18 = 0 - 3000 PSI
14 = 0 - 500 PSI	19 = 0 - 4000 PSI
	20 = 0 - 5000 PSI

Pressure Fittings

0 = MS33656-E4 Male	5 = 13mm Weld Ring
1 = 7/16-20 Straight, Male	w/O-ring Groove
2 = 1/4-18 NPT, Male	6 = G 1/4 British Std Pipe ,
3 = 1/8-27 NPT, Male	Female
4 = 13mm Weld Ring	7 = 1/8-27 NPT, Female

Electrical Connections

0 = Pins Only	1 = 2" Ribbon Cable, 4-wire
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Custom Configurations

00 = No Custom Requirements

CHART 1

PSI	V Input	µV/V/PSI	mV Out (Nominal)
200	5	150	150
300	5	150	225
500	5	70	175
100	5	30	150
300	5	12	180
400	5	8	160
500	5	8	200



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